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Severe Acute Lung Injury Related to COVID-19 Infection: A Review and the Possible Role for Escin
July 2020 – *The Journal of Clinical Pharmacology* (JCP)

Why is this article important to you?

Acute lung injury (ALI) represents the most severe form of the viral infection sustained by coronavirus disease 2019 (COVID-19). Today, it is a pandemic infection and even if several compounds are used as curative or supportive treatment, there is not a definitive treatment. In particular, antiviral treatment used for the treatment of several viral infections (e.g., hepatitis C, HIV, Ebola, severe acute respiratory syndrome–coronavirus) are today used with a mild or moderate effect on lung injury. In fact, ALI seems to be related to the inflammatory burst and release of proinflammatory mediators that induce intra-alveolar fibrin accumulation that reduces the gas exchange. Therefore, an add-on therapy with drugs able to reduce inflammation, edema and cell activation has been proposed, as well as a treatment with interferon, corticosteroids or monoclonal antibodies (e.g., tocilizumab). Learners that complete this course will be able to gain insight into COVID-19 pathology and will be informed of literature support related to the potential utility of escin in COVID-19 management.



Joint Accreditation Statement

In support of improving patient care, the American College of Clinical Pharmacology® (ACCP) is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE) and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

UAN: JA4008220-0000-20-046-H01-P– ACPE 1 Contact Hours

Activity Type: Knowledge-based **Format:** Home-study **Target Audience:** ‘P’

ACCME Designation Statement

The Accreditation Council for Continuing Medical Education designates this Journal CE activity for 1 *AMA PRA Category 1™* credit. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Target Audience

Interprofessional team of Physicians, Pharmacists, PhDs, Nurse Practitioners and Physician Assistants.

Learning Objectives

After completing this activity, the learner will be able to:

1. Describe pathological elements associated with COVID-19 infection;
2. Identify agents currently under study for management of COVID-19 infection;
3. Identify potential functions of escin, as observed in clinical studies;
4. Evaluate current literature related to the clinical usage of escin.

Requirements to Receive Credit

In order to receive continuing education credit, the learner must register for the educational activity, study the provided journal article and complete the online learning Post-event Self-assessment, as well as the online course Evaluation and CME/CPE Certificate. Credits and CME/CPE Certificates must be claimed within thirty (30) days of completing the article, Post-event Self-Assessment and Evaluation. Contact CE@ACCP1.org with any questions.

Disclosures:

Article Selection: Joseph S. Bertino Jr, PharmD, FCP, FCCP, Editor-in-Chief, JCP and Owner, Bertino Consulting Inc. Nothing to disclose.

Planner: Steven J. Crosby, MA, BSP, RPh, FASCP, Assistant Dean, Student Engagement & Success, MCPHS Univ. Nothing to disclose.

CE Reviewer: Ahmed Abulfathi, MBBS, MMed, FCCP Clinical Pharmacologist, Medicine/Clinical Pharmacology, Stellenbosch Univ. Nothing to disclose.

Schedule & Fees

JCP monthly Journal CE articles are generally released on the 1st or 2nd Tuesday of each month. They are priced in packages of January to December for each year. Packages are available at no cost to ACCP Members and \$75/calendar year to Non-members. Once you register, you have access to all of the Journal CE articles for the calendar year.

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Home Study Initial Release and Expiration Dates

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Helpful Tips

Download the article and access the Self-assessment Post-test, Evaluation and Certificate [here](#).

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